

ABSTRACT

A single cell fuel sensor (10) has a housing (12) including a fuel inlet chamber (14), a fuel mixing chamber (16) and a fuel outlet chamber (18). The fuel inlet chamber (14) includes an inlet orifice (20) leading into the mixing chamber (16) at a given level and the fuel outlet chamber (18) includes an outlet orifice (22) leading out of the mixing chamber (16) at a second level that is spaced from the given level. An electrode (24) is fitted into the mixing chamber and electrically isolated from the housing (12), for example by a glass seal (26). In
5 a preferred embodiment of the invention the housing (12) is an insert casting.

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